

Attorney Docket No.: ABLE-0021
Inventors: Secombes et al.
Serial No.: 10/088,780
Filing Date: July 22, 2002
Page 3

This listing of the claims will replace all prior versions and listings of claims in the application:

Listing of the claims:

Claims 1-54 (canceled)

Claim 55: (new) A method for passive immunisation of an animal against a disease-causing agent, said method comprising administering to an animal a non-infectious eukaryotic expression vector nucleic acid construct comprising a DNA sequence encoding a recombinant antibody molecule derived from an antibody raised against the disease-causing agent so that said recombinant antibody molecule is expressed in and secreted from cells of the animal in vivo upon administration of said construct to the animal.

Claim 56: (new) The method of claim 55 wherein the encoded recombinant antibody molecule is a single chain antibody molecule comprising a secretion signal peptide and variable domains of immunoglobulin heavy and light chain genes linked together by a linker sequence.

Attorney Docket No.: **ABLE-0021**
Inventors: **Secombes et al.**
Serial No.: **10/088,780**
Filing Date: **July 22, 2002**
Page 4

Claim 57: (new) The method of claim 55 wherein the animal is a mammal or a fish.

Claim 58: (new) The method of claim 55 wherein the animal has a deficient immune system.

Claim 59: (new) The method of claim 55 wherein the disease-causing agent is a pathogen, an allergen or a toxic substance.

Claim 60: (new) The method of claim 55 wherein the DNA sequence encodes antibody molecules to several different epitopes of the disease-causing agent.

Claim 61: (new) The method of claim 55 wherein the DNA sequence encodes a gene-expression library of antibodies to the disease-causing agent.

Claim 62: (new) The method of claim 55 wherein the encoded recombinant antibody is a virus-neutralising antibody.

Attorney Docket No.: **ABLE-0021**
Inventors: **Secombes et al.**
Serial No.: **10/088,780**
Filing Date: **July 22, 2002**
Page 5

Claim 63: (new) The method of claim 55 wherein the non-infectious eukaryotic expression vector nucleic acid construct encodes a viral haemorrhagic septicaemia virus VHSV-neutralising monoclonal antibody 3F1H10 with two amino acid substitutions Asn 35 to Thr and Lys 64 to Thr in the H-chain gene and comprises a secretion signal of rainbow trout transforming growth factor (TGF-beta).

Claim 64: (new) The method of claim 55 wherein the non-infectious eukaryotic expression vector nucleic acid construct is administered in the form of a vaccine, dosage form, cream, ointment, liquid or paint.

Claim 65: (new) The method of claim 55 wherein the non-infectious eukaryotic expression vector nucleic acid construct is administered by injection, spray or gene gun.

Claim 66: (new) The method of claim 55 wherein a plurality of non-infectious nucleic acid constructs encoding antibodies to a spectrum of disease-causing agents is administered to the animal.

Attorney Docket No.: **ABLE-0021**
Inventors: **Secombes et al.**
Serial No.: **10/088,780**
Filing Date: **July 22, 2002**
Page 6

Claim 67: (new) The method of claims 55 wherein the disease-causing agent is IgE induced by an allergen and the recombinant antibody molecule is derived from an antibody raised against IgE molecules.